

**Amendments to the Abstract:**

**Please replace the Abstract with the following new Abstract:**

**ABSTRACT**

A DDR type zeolite membrane formed on a substrate includes silica as a main component. The DDR type zeolite membrane separates at least one type of a gas component from a mixed gas containing at least two types of gases selected from a group consisting of carbon dioxide (CO<sub>2</sub>), hydrogen (H<sub>2</sub>), oxygen (O<sub>2</sub>), nitrogen (N<sub>2</sub>), methane (CH<sub>4</sub>), normal butane (n-C<sub>4</sub>H<sub>10</sub>), isobutane (i-C<sub>4</sub>H<sub>10</sub>), sulfur hexafluoride (SF<sub>6</sub>), ethane (C<sub>2</sub>H<sub>6</sub>), ethylene (C<sub>2</sub>H<sub>4</sub>), propane (C<sub>3</sub>H<sub>8</sub>), propylene (C<sub>3</sub>H<sub>6</sub>), carbon monoxide (CO), and nitrogen monoxide (NO). Each single gas permeance at room temperature and 100°C are different, respectively, in order to separate at least one selected gas component from the mixed gas.